

Engineering Student Technology Committee

<http://www.engr.colostate.edu/ESTC>

College of Engineering

Colorado State University

1. Title of Proposal:

ASCE Student Chapter Office/Outreach Equipment

2. Proposal Participants:

Primary Contact for Proposal

Name: Tony Grasso

E-Mail: agrasso2@rams.colostate.edu

Department/Major: College of Engineering – Civil Engineering

Check One: Student

Additional proposal participants

Name: Marissa Vortherms

E-Mail: mavorth@rams.colostate.edu

Department/Major: College of Engineering – Civil Engineering

Check One: Student

Additional proposal participants

Name: Nathan Clouse

E-Mail: nwclouse@comcast.net

Department/Major: College of Engineering – Civil Engineering

Check One: Student

3. Proposal Abstract (limit to 100 words):

The student officers of ASCE have elected to upgrade the student office (A201C) in the main Civil Engineering office. Currently, the office space serves as the hub around which students from Civil and Environmental Engineering get involved or obtain academic help from ASCE officers through personal interaction in office hours. Due to the growing volume of officers and students utilizing the space, it has become necessary to enhance the technology in the room. In addition, there are several critical items which would alleviate numerous problematic areas for ASCE officers, specifically through outreach and drawing new members.

4. Proposal Budget

List of items to purchase and cost of each

Item	Quantity	Estimated Price	Description
Desktop Computers/Monitors	2	\$1,500	One for ASCE, the other for Chi Epsilon
OS/Various Software	2	N/A	See paragraph below.
500GB External Hard Drive	3	\$200	
Printer with Toner and Paper	1	\$400	
Camera	1	\$100	

Dollar or percentage amount requested from ESTC: \$2,500-\$3,000 (depending of software costs)

5. Full description of proposal:

Due to the increasing number of students attending ASCE office hours, it is the request of the CSU ASCE Student Chapter that the office space available to us be utilized more effectively through improved technology. The computer currently in the office is dated and performs primitive functions. We would like to see a new computer with the purpose of encouraging more officers to spend time in the office (even away from their office hours!) which will allow students more opportunity to seek advice or assistance from the available ASCE representative.

The computer would need to have all of the necessary additions (monitor, optical mouse, connecting cables, etc) as well as the listed software programs.

- Prolines 7 Student Edition – Vacanti Yacht Design \$245 (Specifically for Conc. Canoe team)
- Solidworks, AutoCAD, MATLAB
- Adobe Photoshop, ImageReady, Reader, etc
- Microsoft Office
- Bentley Software used commonly in industry (STAAD.Pro V8i is free) (specifically for the Steel Bridge team)

A simple printer with a recurring maintenance cost for the ink/toner/paper supplies necessary. This printer can be shared between both groups utilizing the office space.

Additionally, a camera would also be very useful in recording key events, functions, and projects which CSU ASCE is involved with. Each year, an annual report details involvement by the chapter and is submitted to National ASCE. A point and shoot camera with a 4GB memory card is sufficient to ensure no event goes unrecorded.

And finally, three external hard drives to store pictures on that are taken at the various CSU ASCE events. ENS has been generous enough to give us a certain portion of the T-drive, however, with the enormous amount of multimedia generated, it is necessary to have storage outside of the T-drive. We have tried having a Dropbox as well but our allotted storage filled within 6 months.